PATENT Docket No. 275.0009 0101

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

THADApplicant(s): MUNN et al.

Group Art Unit:

Examiner:

1645

Serial No.:

10/780,150

Unassigned

Confirmation No.:1273

February 17, 2004

For:

Filed:

REGULATION OF T CELL-MEDIATED IMMUNITY BY D ISOMERS OF

INHIBITORS OF INDOLEAMINE-2,3-DIOXYGENASE

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment **Commissioner for Patents** P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with C.F.R. §§ 1.97 et. seq., the materials enclosed herewith are brought to the attention of the Examiner as possibly being of interest in connection with the above-identified patent application. Per M.P.E.P. § 609, the information cited in the present Information Disclosure Statement shall not be construed to be an admission that the information is, or is considered to be, material to patentability. Consideration of each of the documents listed on the attached 1449 form(s) is respectfully requested. As this patent application was filed after June 30, 2003, copies of the U.S. patents and U.S. patent application publications listed on the attached 1449 form(s) have not been submitted). Pursuant to the provisions of M.P.E.P. §609, Applicants further request that a copy of the 1449 form(s), marked as being considered and initialed by the Examiner, be returned with the next Official Communication.

Applicants also wish to bring to the Examiner's attention the following pending U.S. Applications, as well as any documents, Office Actions that may include rejections of similar claims, and any provisional U.S. patent applications referenced in the pending U.S. applications or in their file wrappers. A copy of each of the below-listed pending U.S. Patent Applications is provided herewith.

REGULATION OF T CELL-MEDIATED IMMUNITY BY D ISOMERS OF INHIBITORS OF INDOLEAMINE-2,3-

DIOXYGENASE

List of Pending Non-Published U.S. Patent Applications

			Serial No. of Provisional
Applicant(s)	Application	Filing	Application to which listed
	Number	Date	Application claims priority
MUNN et al.	10/780,797	02/17/04	60/538,647 and
			60/459,489

It is believed that no fee is due, as this Information Disclosure Statement is filed prior to the receipt of any Action on the merits. However, in the event a fee is due, please charge any fee or credit any overpayment to Account No. 13-4895.

The Examiner is invited to contact Applicants' Representatives at the below-listed telephone number, if they can be of any assistance during prosecution of the present application.

CERTIFICATE UNDER 37 C.F.R. 1.8:

The undersigned hereby certifies that this paper is being deposited in the United States Postal Service, as first class mail, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450,

Alexandria, VA 22313-1450,

NAJ/sjt

Respectfully submitted for MUNN et al.

By

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Customer Number 26813

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Direct Dial (612)305-4723

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MUETING, RAASCH & GEBHARDT, P.A.

Customer Number: 26813

Name: Nancy A. Johnson

Reg. No.: 47,266

Direct Dial: 612-305-4723 Facsimile: 612-305-1228

	INFORMATION DISCLOSURE
Î	STATEMENT
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Atty. Docket No.: 275.0009 0101	Serial No.: 10/780,150
Applicant(s): MUNN et al.	Confirmation No.: 1273
Application Filing Date: 02/17/04	Group: 1645
Information Disclosure Statement mailed	d:

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	5,478,556	12/26/95	Elliott et al.			
	5,837,231	11/17/98	Low et al.			
	5,861,159	01/19/99	Pardoll et al.			
	6,251,399	06/26/01	Diamond et al.			
	6,395,876 B1	05/28/02	Munn et al.			
	6,451,840	09/17/02	Munn et al.			
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	2002 0114784 A1	08/22/02	Li et al.			

FOREIGN PATENT DOCUMENTS

Examiner	Сору	Document Number	Date	Country	Class	Subclass	Trans	lation
Initial	Enclosed						Yes	No
	/	99/29852	06/17/99	wo				
	~	99/29310	06/17/99	WO				

OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

Examiner Initial	Copy Enclosed	Document Description
	•	Alberti-Giani, "Regulation of the Kynurenine Metabolic Pathway by Interferon-γ in Murine Cloned Macrophages and Microglial Cells," <i>J. Neurochem</i> , 1996;66:996-1004.
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EXAMINER	Date Considered
*Examiner: Initial if citation considered, whether or not citation is in co	oformance with MPEP 609: Draw line through citation if not in

conformance and not considered. Include copy of this form with next communication to applicant.

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Examiner Initial	Copy Enclosed	Document Description
	>	Aune et al., "Inhibition of Tumor Cell Growth by Interferon-γ Is Mediated by Two Distinct Mechanisms Dependent upon Oxygen Tension: Induction of Tryptophan Degradation and Depletion of Intracellular Nicotinamide Adenine Dinucleotide," <i>J Clin Invest</i> , 1989;84:863-875.
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Atty. Docket No.: 275.0009 0101	Serial No.: 10/780,150		
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Examiner Initial	Copy Enclosed	Document Description	
	>	Chon, "Cooperative Role of Interferon Regulatory Factor 1 and p91 (STAT1) Response Elements in Interferon-γ-inducible Expression of Human Indoleamine 2,3-Dioxygenase Gene," <i>J Biol Chem</i> , 1996;271:17247-17252.	
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Atty. Docket No.: 275.0009 0101	Serial No.: 10/780,150	
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Application Filing Date: 02/17/04	Group: 1645	
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Examiner Initial	Copy Enclosed	Document Description
	V	Dranoff et al., "Vaccination with irradiated tumor cells engineered to secrete murine granulocyte-macrophage colony-stimulating factor stimulates potent, specific, and long-lasting anti-tumor immunity," <i>Proc. Natl. Acad. Sci.</i> USA, 1993;90:3539-3543.
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Atty. Docket No.: 275.0009 0101	Serial No.: 10/780,150	
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Examiner Initial	Copy Enclosed	Document Description
	V	Grohmann et al., "IL-6 Inhibits the Tolerogenic Function of CD8α ⁺ Dendritic Cells expressing Indoleamine 2,3-Dioxygenase ¹ ," <i>J. Immunol</i> . 2001;167:708-714.
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	>	Grohmann et al., "Tolerance, Dcs and tryptophan: much ado about IDO," <i>Trends in Immunology</i> 2003;24:242-248.
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	V	Huang et al., "Role of Bone Marrow-Derived Cells in Presenting MHC Class I-Restricted Tumor Antigens," <i>Science</i> , 1994;264:961-965.
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	V	Izon et al., "A Common Pathway for Dendritic Cell and Early B Cell Development," <i>J. Immunol.</i> , 2001;167:1387-1392.
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Examiner Initial	Copy Enclosed	Document Description
	V	Kamimura et al., "Localization and Developmental Change of Indoleamine 2,3-Dioxygenase Activity in the Human Placenta," <i>Acta. Med.</i> Okayama, 1991;45:135-139.
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	•	Kudo et al., "Human placental indoleamine 2,3-dioxygenase: cellular localization and characterization of an enzyme preventing fetal rejection," <i>Biochem. Biophys. Acta</i> , 2000;1500:119-124.
	✓	Lee et al., "Pattern of Recruitment of Immunoregulatory Antigen-Presenting Cells in Malignant Melanoma," <i>Laboratory Investigation</i> , 2003;83:1457-1466.
	V	Lee et al., "Tryptophan deprivation sensitizes activated T cells to apoptosis prior to cell division," <i>Immunology</i> 2002;107:452-460.
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Page 7 of 14

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Examiner Initial	Copy Enclosed		
	~	Manegold et al., "Gemcitabine in non-small cell lung cancer (NSCLC)", <i>Invest New Drugs</i> . 2000;18(1):29-42.	
	>	Martin et al., "Characterization of a new subpopulation of mouse CD8α ⁺ B220 ⁺ dendritic cells endowed with type 1 interferon production capacity and tolerogenic potential," <i>Blood</i> , 2002;100:383-390.	
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EXAMI	NER	Date Considered	

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OMB No. 0651-0011 Page 8 of 14

	145000717
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